

Form PTO 423 (Rev. 9-90)

U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office

Application No. 9/090,905NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEWThe drawing(s) filed (insert date) 3-17-90 are:A. ☐ Approved by the Draftsperson under 37 CFR 1.84 or 1.152.B. ☒ Objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:

Black ink. Color: _____
 Color drawings are not acceptable until permission is granted.
 Fig(s) _____

Pen and non black ink not permitted. Fig(s) 1, 2
 If full size set is required. Fig(s) _____

Photographs. 37 CFR 1.84(b)
 Photographs not properly mounted (must use hybrid board or photographic double-weight paper). Fig(s) _____
 Poor quality (half-tone). Fig(s) _____

Type of paper. 37 CFR 1.84(c)
 Paper not flexible, strong, white, and durable.
 Fig(s) _____

Errors, omissions, overwritings, letterformations.
 Copy machine marks not accepted. Fig(s) _____
 Material, vision paper is not acceptable (too thin).
 Fig(s) _____

2. SIZE OF PAPER. 37 CFR 1.84(d): Acceptable sizes:
 21.0 cm by 29.7 cm (DIN size A4)
 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
 All drawing sheets not the same size.
 Sheet(s) _____

3. MARGINS. 37 CFR 1.84(e): Acceptable margins:
 Drawing sheets not an acceptable size. Fig(s) _____

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
 SIZE: A4 Size

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
 SIZE: 8 1/2 x 11

Margins not acceptable. Fig(s) 1-3
 Top (T) _____ Left (L) _____
 Right (R) _____ Bottom (B) _____

4. VIEWS. 37 CFR 1.84(f):

REMINDER: Specification may require revision to correspond to drawing changes.
 Partial views. 37 CFR 1.84(g)(2)

Brackets needed to show figure as one entity.
 Fig(s) _____

Views not labeled sequentially or properly.
 Fig(s) _____

External view not labeled sequentially or properly.
 Fig(s) _____

5. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)
 Hatching not indicated for sectional portions of an object.
 Fig(s) _____

Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(g)

Words do not appear on a horizontal, left-to-right fashion
 when page is either upright or turned so that the top
 becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(h)
 Scale not large enough to show mechanism without
 crowding when drawing is reduced in size to two-thirds its
 reproduction.
 Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS.
 37 CFR 1.84(i)

Lines, numbers & letters not uniformly thick and well
 defined, clean, durable, and black (poor line quality).
 Fig(s) _____

11. SHADING. 37 CFR 1.84(jm)
 Solid black areas pale. Fig(s) _____
 Solid black shading not permitted. Fig(s) _____

Shade lines, pale, rough and blurred. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.
 37 CFR 1.84(p)

Numbers and reference characters not plain and legible.
 Fig(s) 1-3

Figure legends are poor. Fig(s) 1-3
 Numbers and reference characters not oriented in the
 same direction as the view. 37 CFR 1.84(p)(1)
 Fig(s) _____

English alphabet not used. 37 CFR 1.84(p)(2)
 Fig(s) _____

Numbers, letters and reference characters must be at least
 .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
 Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)
 Lead lines cross each other. Fig(s) _____
 Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(r)
 Sheets not numbered consecutively, and in Arabic numerals
 beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(s)
 Views not numbered consecutively, and in Arabic numerals,
 beginning with number 1. Fig(s) _____

16. CORRECTIONS. 37 CFR 1.84(u)
 Corrections not made from prior PTO-948
 Form.
 Fig(s) _____

17. DESIGN DRAWINGS. 37 CFR 1.152
 Surface shading shown not appropriate. Fig(s) _____
 Solid black shading not used for color contrast.
 Fig(s) _____

COMMENTS

REVIEWER

CHAS

DATE

6-2-99

TELEPHONE NO.

703 305 5430

ATTACHMENT TO PAPER NO.

10